## INDEX

adjustment of fire, 3-3, 5-10, 5-14, 5-18 to 5-21, 5-23 to 5-26
aiming, 5-2, 5-6, 5-14 to 5-23, A-18, B-2
in limited visibility, 5-8
in NBC (nuclear, biological, chemical)
conditions, 5-9
aiming exercise, 5-10
aiming point, $1-4,5-10,5-24,6-8,6-17,6-18, A-15$, A-18
aiming post, 3-4
aiming stakes, 5-8, 7-6, A-22
ammunition
M79, A-2, A-6, A-10 to A-11, A-20
M203, 3-2, 3-7 to 3-10
arm-and-hand signals, 6-11
arming range, 3-2
assembly and disassembly
M79, A-6 to A-9
M203, 3-11 to 3-16, 7-5, B-1
assistant trainers, 7-2
chamber pressure, 3-2, A-2
characteristics
M79, A-2
M203, 3-2
cleaning procedures, $3-12,7-5, \mathrm{~A}-9, \mathrm{~B}-1$
clearing procedures, 3-11, 7-6, A-6, D-2
coaches, 7-2
combat fire, 6-16 to 6-19
combat load, 3-2
combat readiness, 1-4
components
M79, A-2
M203, 3-3
cycle of functioning
M79, A-12
M203, 2-3
DA Form 2946-R, 40-mm Grenade Launcher Scorecard
example completed, 5-16 (illus)
instructions for use, 5-15, 5-22
day record fire, 5-17, 7-6, B-1, B-2
dead space, 6-7
decontamination, 6-10
destruction procedures, 4-4, A-14
disassembly and assembly M79, A-6 to A-9 M203, 3-11 to 3-16, 7-5, B-1
dry-fire exercises, 5-9
elevation adjustment M79, A-3, A-18, A-20 M203, 3-3, 3-16, 5-8, 5-10
exercises, 1-3, 5-9 to 5-10 dry-fire, 5-9

40-mm Grenade Launcher Scorecard
(DA Form 2946-R) example completed, 5-16 (illus)
instructions for use, 5-15, 5-22
fire
calling for, 6-8
classes of, 6-1 to 6-4
indirect, 6-16, A-19
aiming stakes method, A-23
marked-sling method, 5-8, A-23
overhead, 6-19, A-24
overwatch, 6-16
suppressive, 6-16,
fire commands, 5-9, 5-18, 5-27, 6-11 to 6-15
fire control, 6-10
firing positions
M79, A-15
M203, 5-2 to 5-6
firing tables, $5-19,5-21,5-27, \mathrm{~B}-2$
fratricide avoidance, 2-2, 3-3, 3-6, 3-8, 3-15, 4-3, 5-1,
5-2, 5-17, 6-1, 6-19, A-11, A-20 (see also safety)
function (see cycle of functioning)
fundamentals of marksmanship, 5-1, 5-6, 5-8, 5-9, 5-14, 5-25, 7-1, 7-7, A-15, B-2
grenade launcher range, 5-2, 5-12
stations, 5-17
gunnery, 7-3
advanced, 6-1
basic, 5-14, 7-6
gunnery certification, 7-8
gunnery sustainment strategy, 1-2
hangfire, 4-3
immediate action, 4-3, 5-9, 5-21, 7-6, B-2, C-1, C-4 indirect fire (seefire)
leaf sights (see sights)
limited visibility, 5-8, 5-14, 5-25, 6-18, D-3
M15 rifle grenade sight, A-19, A-22
maintenance
M79, A-6, A-9
M203, 3-1 1 to 3-16, 7-4, B-1
target, 5-12
unit, 4-2
malfunctions, 4-1, 7-6, A-12
marked-sling method of firing, 5-8
marksmanship (see fundamentals of marksmanship
and prelim inarymarksmanship instructiond
maximum effective range, 3-2
METL (mission-essential task list), 7-1
minimum arming range, 3-8 to 3-10
minimum safe firing ranges
M79, A-2
M203, 3-2
misfire, 4-3
mission-essential task list (see METL)
muzzle velocity, 3-2
NBC (nuclear, biological, chemical), 3-16, 5-9, 5-14, 5-17, 5-20, 5-25, B-1
night record fire, 5-25, 7-6
night vision devices (see NVDs)
nightsights
AN/PVS-4, 5-8, 5-22, 6-6
AN/PVS-7, 5-8
nuclear, biological, chemical (see $N B C$ )
NVDs (night vision devices), 5-8
obscuration, battlefield, 1-4, 5-8, 5-14
operation
M79, A-6, A-10
M203, 3-2, 5-10, 7-5
overhead fire (see fire)
pointing technique, A-17 to A-18
positions (see firing positions
preliminary marksmanship instruction, 3-1, 5-1, 7-4, 7-7, B-I, B-2
proficiency assessment, 1-4
proficiency (performance) exam, B-2, C-1 to C-2
checklists, $\mathrm{C}-5$ to $\mathrm{C}-7$
instructions, $\mathrm{C}-2$ to $\mathrm{C}-4$
quadrant sight (see sights)
qualification, 5-15
range (see also firing tables,
for zeroing purposes, 3-5
in fire commands, 5-9
maximum, 3-2, 6-8, A-17, A-19
minimum, 3-2
range adjustment, 5-2, 5-10, 5-11
range cards, 6-11
range estimation, 6-4, A-20
range safety, 5-1, 5-17, 5-20, B-2, D-1, D-2
rapid firing technique, 3-4, 6-3
rate of fire, 3-2
rear sight (see sight)
remedial action, 4-4
remedial training, 5-10
safety (see also fratricide avoidance), 2-2, 3-3, 3-7,
5-2, 6-19, D-1
M79, A-6, A-10, A-24
M203, 2-1 to 2-2, 3-6, 3-13, D-1
safety precautions, 3-15, 4-3
during zeroing, 3-6, 3-16
scorecard, $40-\mathrm{mm}$ grenade launcher example completed, 5-16, instructions for use, 5-15, 5-22
sensing fire, 5-10
sight picture
M79, A-16
M203, 5-3, 5-6
sights (see also M15 rifle grenade sight)
adjusting, A-3, A-15, A-19, B-2
destroying, 4-5
M79, A-15
front (blade) sight, A-4
rear leaf sight, A-3
M203, 5-2, 5-6
front quadrant sight, 3-3, 5-7, 5-14, 5-18, C-2
rear leaf, 2-1, 3-4, 3-13, 5-6, 5-7, 5-10, 5-14, 5-17 to 5-18
setting, $\mathrm{C}-2$
signals, 6-11, 6-15 to 6-16
SOP (standing operating procedure), 4-5, 6-8, 6-10, 6-11, A-6
standing operating procedure (see $S O P$ )
stations, grenade launcher range, 5-12, 5-17
stoppages
M79, A-12
M203, 4-2, 5-21 to 5-22, 7-6

## Index-2

suppressive fire (see fire)
sustainment training, 1-2
target scoring, 5-22
targets, 1-4, 5-7, 5-12, 5-19, 6-8, B-1
technical data
M79, A-2
M203, 3-2
terrain considerations, 1-4
training, 1-2 to 1-4, 5-1, 7-1
train-the-trainer, 1-3
certification, 7-7
objectives, 7-1
phases and tasks, 7-4 to 7-8
troubleshooting, 4-1, A-12
windage adjustment
M79, A-3, A-18, A-20
M203, 3-3, 3-4, 5-10, 5-11
zeroing, 5-17, A-18
AN/PVS-4 to M203, 5-23
during basic gunnery, 7-6
in night record fire, B-2
leaf sight, M203, 5-14
quadrant sight, 5-15
using 25-meter target, B-2
zeroing station, 5-17
zeroing target, 5-12
range (see also firing tables)
for zeroing purposes, 3-5
in fire commands, 5-9
maximum, 3-2, 6-8, A-17, A-19
minimum, 3-2
range adjustment, 5-2, 5-10, 5-11
range cards, 6-11
range estimation, 6-4, A-20
range safety, 5-1, 5-17, 5-20, B-2, D-1, D-2
rapid firing technique, 3-4, 6-3
rate of fire, 3-2
rear sight (see sight
remedial action, 4-4
remedial training, 5-10
safety (see also fratricide avoidance, 2-2, 3-3, 3-7, 5-2, 6-19, D-1
M79, A-6, A-10, A-24
M203, 2-1 to 2-2, 3-6, 3-13, D-1
safety precautions, 3-15, 4-3
during zeroing, 3-6, 3-16
scorecard, $40-\mathrm{mm}$ grenade launcher
example completed, 5-16
instructions for use, 5-15
sensing fire, 5-10
sight picture
M79, A-16
M203, 5-3, 5-6
sights (see also M15 rifle grenade sight.
adjusting, A-3, A-15, A-19, B-2
destroying, 4-5
M79, A-15
front (blade) sight, A-4
rear leaf sight, A-3
M203, 5-2, 5-6
front quadrant sight, $3-3,5-7,5-14,5-18, \mathrm{C}-2$
rear leaf, 2-1, 3-4, 3-13, 5-6, 5-7, 5-10, 5-14, 5-17 to 5-18
setting, C-2
signals, 6-11, 6-15 to 6-16
SOP (standing operating procedure), 4-5, 6-8, 6-10, 6-11, A-6
standing operating procedure (see SOP)
stations, grenade launcher range, 5-12, 5-17
stoppages
M79, A-12
M203, 4-2, 5-21 to 5-22, 7-6
suppressive fire (see fire)
sustainment training, 1-2
target scoring, 5-22
targets, 1-4, 5-7, 5-12, 5-19, 6-8, B-1
technical data
M79, A-2
M203, 3-2
terrain considerations, 1-4
training, 1-2 to 1-4, 5-1, 7-1
train-the-trainer, 1-3
certification, 7-7
objectives, 7-1
phases and tasks, 7-4 to 7-8
troubleshooting, 4-1, A-12
windage adjustment
M79, A-3, A-18, A-20
M203, 3-3, 3-4, 5-10, 5-11
zeroing, 5-17, A-18
AN/PVS-4 to M203, 5-23
during basic gunnery, 7-6
in night record fire, B-2
leaf sight, M203, 5-14
quadrant sight, 5-15
using 25-meter target, B-2
zeroing station, 5-17
zeroing target, 5-12

